

Application No.: 10582820  
Amdt. dated August 8, 2011  
Reply to Office Action of April 6, 2011

## REMARKS

### **Claim Objections**

The office has objected to Claims 5-7 under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. In response claims 4-7 have been canceled. New claims 8-14 have been added. Applicant respectfully submits that the new and amended claims comply with 37 CFR 1.75(c) and are now in condition for allowance. Consideration of the amended claims is requested.

### **Claim Rejections - 35 USC § 112**

Claim(s) 1-7 are pending in the application. Claims 1-7 stand rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. Claims 4-8 have been canceled. Applicant respectfully traverses the rejection of claims 1-3 in view of the arguments and amendments herein.

The claims have been pursuant to the interviews and in response to the office action and are now considered to be enabling and in compliance with Section 112.

As evidenced by the attached statement of Wayne Frasch, an inventor here, the specification when combined with knowledge in the art supports the claimed techniques as fully enabled including:

dark field microscopy (Statement Para. 8);

atomic force microscopy (Statement Para. 10);

attaching a fluorescent label on a non-rotating part of the molecular motor before microscopically detecting translation or rotational movement, where the metal nanorod detection probe is a quencher metal nanorod detection probe, and wherein microscopically detecting translational or rotational movement comprises observing rotation through periodic quenching of a fluorescence signal by the quencher metal nanorod detection probe (Statement Para. 8, *Yasuda et al. at 902*);

single molecule fluorescence resonance energy transfer (Statement Para. 9);

fluorescence lifetime anisotropy and single molecule anisotropy measurement (Statement Para. 7); and

Application No.: 10582820  
Amdt. dated August 8, 2011  
Reply to Office Action of April 6, 2011

using a surface plasmon resonance biosensor to measure the surface plasmon resonance change during metallic nanorod rotation(Statement Para. 11).

Therefore, all of the claimed elements have enabling disclosure as found in the specification or as part of the knowledge existing in the art at the time of the disclosure.

Applicants have made a diligent effort to place the claims in condition for allowance. However, should there remain unresolved issues that require adverse action, it is respectfully requested that the Examiner telephone George A. Leone, Applicants' Attorney at 253-682-0246 so that such issues may be resolved as expeditiously as possible.

For these reasons, and in view of the above amendments, this application is now considered to be in condition for allowance and such action is earnestly solicited.

Respectfully Submitted,

August 8, 2011  
Date

/George A. Leone, Reg. No. 30567/  
George A. Leone  
Attorney/Agent for Applicant(s)  
Reg. No. 30567  
Citadel Patent Law  
9124 Gravelly Lake Drive SW, Suite 102  
Lakewood, WA 98499  
Tel. 253-682-0246